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FROM: Dan Hart
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MESSAGE:

As we discussed, attached please find a draft claim for the above-identified application for your consideration. I look forward to discussing the draft claim with you on Thursday, March 29 at 1:00 p.m. your time.

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PATENT

Case Docket No. GENSET.020APC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Cohen, et al.

App. No. : 09/463,075

Filed : January 14, 2000

Examiner : B. Sisson

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ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

Dear Sir:

IN THE CLAIMS:

Please cancel Claims 90 and 91.

Please amend the following Claim:

86. A method of obtaining a plurality of ~~biallelic markers~~ single nucleotide polymorphisms comprising the steps of:

(a) obtaining a ^{human} nucleic acid library comprising a plurality of genomic DNA fragments ~~comprising containing~~ the full human genome or a portion thereof of the human genome comprising at least 100kb;

(b) determining the order of said plurality of genomic DNA fragments in the genome;

(c) ~~determining the sequence of~~ sequencing selected regions of said plurality of genomic DNA

PATENT

Case Docket No. GENSET.020APC

fragments; and

(d) identifying nucleotides in said selected regions ~~plurality of genomic DNA fragments~~ which vary between individuals, thereby defining a set of ~~biallelic markers~~ single nucleotide polymorphisms; wherein said plurality of single nucleotide polymorphisms comprises single nucleotide polymorphisms having a heterozygosity rate of at least about 0.18 and having a mean inter-marker spacing of less than 50kb.

REMARKS

Support for the size of the region is provided at pg 19, line 25 and pg 2, ln. 36.

Support for heterozygosity rate is found at pg. 24, ln. 20.

Preferred inter-marker spacing is described at pg 38, ln. 23-27.